

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L39	1	"5498489".pn.	US-PGPUB; USPAT	OR	ON	2008/02/06 13:38
L43	1	"5506067".pn.	US-PGPUB; USPAT	OR	ON	2008/02/06 13:55
S1	2	"5510209".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/30 16:03
S10	2	JP-2003089697-A.did.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/30 16:13
S13	131	Okuyama.in. and semiconductor and resin	US-PGPUB; USPAT; USOCR	OR	ON	2008/01/30 16:52
S16	22	Okuyama-Tetsuo.in.	US-PGPUB; USPAT; USOCR	OR	ON	2008/01/30 16:53
S19	17	Kuboki-Takashi.in.	US-PGPUB; USPAT; USOCR	OR	ON	2008/01/30 16:57
S20	26	Ohsaki-Takahisa.in.	US-PGPUB; USPAT; USOCR	OR	ON	2008/01/30 16:57
S21	98	Takami-Norio.in.	US-PGPUB; USPAT; USOCR	OR	ON	2008/01/30 16:58
S25	308251	KABUSHIKI KAISHA TOSHIBA.as. KABUSHIKI KAISHA TOSHIBA CORPORATION.as. and battery	US-PGPUB; USPAT; USOCR	OR	ON	2008/01/30 17:18
S31	774	(KABUSHIKI KAISHA TOSHIBA.as. KABUSHIKI KAISHA TOSHIBA CORPORATION.as.) and (battery and (oxygen Same positive))	US-PGPUB; USPAT; USOCR	OR	ON	2008/01/30 17:20
S32	7	("3869314"   "4404266"   "5518834"   "5700298"   "5712058"   "6210827"   "6261709").PN. OR ("6426162").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/01/30 17:30
S33	7	("3869314"   "4404266"   "5518834"   "5700298"   "5712058"   "6210827"   "6261709").PN. OR ("6426162").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/01/30 17:31

S36	785	429/27.ccls.	US-PGPUB; USPAT	OR	ON	2008/01/31 10:12
S37	126	429/148.ccls.	US-PGPUB; USPAT	OR	ON	2008/01/31 10:12
S38	5	("5356729"   "5571630"   "6365296"   "6641947"). PN. OR ("6811910").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/01/31 10:34
S39	0	("2007/0224495").URPN.	USPAT	OR	ON	2008/01/31 11:12
S40	7	("20020192545"   "20040048153"   "3897265"   "5279905"   "6183902"   "6602629"   "6830847").PN. OR ("7258940").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/01/31 11:16
S41	1	("2002/0192545").URPN.	USPAT	OR	ON	2008/01/31 11:31
S43	242	S36 and air.ti.	US-PGPUB; USPAT; USOCR	OR	ON	2008/01/31 11:57
S44	0	("2006/0269811").URPN.	USPAT	OR	ON	2008/01/31 12:01
S45	27	("4835074"   "4877694"   "4892637"   "5116592"   "5232561"   "5302274"   "5312701"   "5441823"   "5521020"   "5531883"   "5538608"   "5554739"   "5561000"   "5571311"   "5630868"   "5672198"   "5698016"   "5707432"   "5733430"   "5783325"   "5837045"   "5846670"   "5851280"   "5986876"   "6031711"   "6280871"   "6399202").PN. OR ("6881511").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/01/31 12:16
S47	53861	429/\$.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2008/01/31 12:39
S48	85243	(air near3 battery) (metal near3 oxygen) (oxygen near5 (cathode electrode electrolyte)) (metal near3 air)	US-PGPUB; USPAT; USOCR	OR	ON	2008/01/31 12:39
S49	3654076	Gap passage space (porous near3 film) (fabric near5 (woven nonwoven)) (porous near3 (sheet separator member spacer spacing)) (provide near5 (space or gap)) (diffusion near3 layer)	US-PGPUB; USPAT; USOCR	OR	ON	2008/01/31 12:40
S50	10302	S47 and S48 and S49	US-PGPUB; USPAT; USOCR	OR	ON	2008/01/31 12:41

S51	3765	S47 and (S48 same S49)	US-PGRUB; USPAT; USOCR	OR	ON	2008/01/31 12:42
S52	1951	S47 and (S48 with S49)	US-PGRUB; USPAT; USOCR	OR	ON	2008/01/31 12:43
S53	368431	laminate laminated laminating	US-PGRUB; USPAT; USOCR	OR	ON	2008/01/31 12:43
S54	549	S47 and S48 and (S49 with S53)	US-PGRUB; USPAT; USOCR	OR	ON	2008/01/31 12:44
S55	7	("20010004502"   "20010005560"   "20020018930"   "20020028389"   "20020142214"   "20030003363"   "5830603").FN. OR ("7311994").URPN.	US-PGRUB; USPAT; USOCR	OR	ON	2008/01/31 12:55
S56	427	S36 not (fuel near3 cell)	US-PGRUB; USPAT; USOCR	OR	ON	2008/01/31 13:01
S57	304045	(air near3 (pore hole opening orifice inlet))	US-PGRUB; USPAT; USOCR	OR	ON	2008/01/31 13:14
S59	12	S47 and S48 and ((S49 with S53) same S57)	US-PGRUB; USPAT; USOCR	OR	ON	2008/01/31 13:16
S60	30	S47 and S48 and (S49 same S53 same S57)	US-PGRUB; USPAT; USOCR	OR	ON	2008/01/31 13:17
S61	71	S47 and S48 and S49 and (S53 same S57)	US-PGRUB; USPAT; USOCR	OR	ON	2008/01/31 13:17
S62	393	S47 and S48 and S49 and S53 and S57	US-PGRUB; USPAT; USOCR	OR	ON	2008/01/31 13:18
S63	23424	metal near3 air	US-PGRUB; USPAT; USOCR	OR	ON	2008/01/31 13:24
S64	35	S54 and S63	US-PGRUB; USPAT; USOCR	OR	ON	2008/01/31 13:25
S65	0	("2006/0177732").URPN.	USPAT	OR	ON	2008/01/31 13:32
S66	23	("3948684"   "4197362"   "4256545"   "4789561"   "4894296"   "4906535"   "5032473").FN. OR ("5378562").URPN.	US-PGRUB; USPAT; USOCR	OR	ON	2008/01/31 14:00
S67	785	429/27.cds.	US-PGRUB; USPAT	OR	ON	2008/02/01 08:48
S68	630	S67 and air	US-PGRUB; USPAT; USOCR	OR	ON	2008/02/01 08:48
S69	95546	(barrier permea\$) with (air oxygen)	US-PGRUB; USPAT; USOCR	OR	ON	2008/02/01 08:51
S70	1174	429/27,28,29.cds.	US-PGRUB; USPAT; USOCR	OR	ON	2008/02/01 08:51

S72	85243	(air near3 battery) (metal Near3 oxygen) (oxygen near5 (cathode electrode electrolyte)) (metal near3 air)	US-PGPUB; USPAT; USOCR	OR	ON	2008/02/01 08:53
S73	3654076	Gap passage space (porous near3 film) (fabric near5 (woven nonwoven)) (porous near3 (sheet separator member spacer spacing)) (provide near5 (space or gap)) (diffusion near3 layer)	US-PGPUB; USPAT; USOCR	OR	ON	2008/02/01 08:53
S74	368431	laminate laminated laminating	US-PGPUB; USPAT; USOCR	OR	ON	2008/02/01 08:53
S75	304045	(air near3 (pore hole opening orifice inlet))	US-PGPUB; USPAT; USOCR	OR	ON	2008/02/01 08:53
S76	31	S70 and S69 and S72 and S73 and S74 and S75	US-PGPUB; USPAT; USOCR	OR	ON	2008/02/01 08:53
S77	371	S70 and S69	US-PGPUB; USPAT; USOCR	OR	ON	2008/02/01 08:56
S78	18	H01M12/00.ipc.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/01 10:01
S79	406	H01M012/00.ipc.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/01 10:04
S80	2	"5498489".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/01 14:52
S84	2262	H01M012/06.ipc.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/01 14:59
S86	4264	H01M012/\$.ipc.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/01 14:59

S87	160092	(barrier permea\$) with (air oxygen)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/01 15:00
S88	122880	(air near3 battery) (metal Near3 oxygen) (oxygen near5 (cathode electrode electrolyte)) (metal near3 air)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/01 15:00
S89	6021033	Gap passage space (porous near3 film) (fabric near5 (woven nonwoven)) (porous near3 (sheet separator member spacer spacing)) (provide near5 (space or gap)) (diffusion near3 layer)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/01 15:00
S90	843393	laminatate laminated laminating	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/01 15:00
S91	471856	(air near3 (pore hole opening orifice inlet))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/01 15:00
S92	309	S87 and S84	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/01 15:00
S94	2	"20020132161".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/01 16:13
S95	2	"5362577".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/01 16:20

S96	19	S86 and S87 and S88 and S89 and S90 and S91	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/01 16:55
S97	100	S86 and S87 and S88 and S89 and S91	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/01 16:56
S98	132	S86 and S87 and S88 and S91	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/01 17:03
S99	32	S98 not S97	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/01 17:03
S100	311	S86 and S87 and S88	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/01 17:05
S101	28	S100 not S98 not S92	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/01 17:05
S102	0	Abraham-K.in.	US-PGPUB; USPAT; USOCR	OR	ON	2008/02/04 10:11
S103	0	Abraham-Kuzhikalail.in.	US-PGPUB; USPAT; USOCR	OR	ON	2008/02/04 10:12
S104	40	Jiang-Zhiping.in.	US-PGPUB; USPAT; USOCR	OR	ON	2008/02/04 10:13
S105	12870	Abraham.in.	US-PGPUB; USPAT; USOCR	OR	ON	2008/02/04 10:13
S107	495	battery and S105	US-PGPUB; USPAT; USOCR	OR	ON	2008/02/04 10:14
S108	30	("3540935"   "4178418"   "4255498"   "4617242"   "4803134"   "4925544"   "5252413"   "5378562"   "5403675").PN. OR ("5510209").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/02/04 10:15

S109	160136	(barrier permea\$) with (air oxygen)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/04 11:23
S110	6023127	Gap passage space (porous near3 film) (fabric near5 (woven nonwoven)) (porous near3 (sheet separator member spacer spacing)) (provide near5 (space or gap)) (diffusion near3 layer)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/04 11:23
S111	84489	S109 and S110	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/04 11:23
S112	155512	(internal near3 pressure)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/04 11:24
S113	4066	S111 and S112	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/04 11:24
S114	1122	S109 and (S110 same S112)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/04 11:24
S115	122913	(air near3 battery) (metal Near3 oxygen) (oxygen near5 (cathode electrode electrolyte)) (metal near3 air)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/04 11:26
S116	179	S109 and S115 and (S110 same S112)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/04 11:26
S117	0	(*2002/0142203*).URPN.	USPAT	OR	ON	2008/02/04 15:49

S118	32	("3576677"   "3977901"   "4207382"   "4262062"   "4380576"   "4613551"   "4698283"   "4729930"   "4900642"   "4957826"   "5043234"   "5145752"   "5306579"   "5328777"   "5346780"   "5451473"   "5506067"   "5527632"   "5569551"   "5652068"   "5665481").PN. OR ("5733677").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/02/04 15:52
S119	65	429/28.ccls.	US-PGPUB; USPAT	OR	ON	2008/02/04 16:01
S120	202	429/29.ccls.	US-PGPUB; USPAT	OR	ON	2008/02/04 16:01
S121	785	429/27.ccls.	US-PGPUB; USPAT	OR	ON	2008/02/04 16:01
S122	903362	aluminum	US-PGPUB; USPAT	OR	ON	2008/02/04 16:01
S123	377	(S119 S120 S121) and S122	US-PGPUB; USPAT	OR	ON	2008/02/04 16:01
S124	1	("6514311").PN. OR ("6835228").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/02/04 16:16
S125	160136	(barrier permea\$) with (air oxygen)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/04 16:40
S126	6023127	Gap passage space (porous near3 film) (fabric near5 (woven nonwoven)) (porous near3 (sheet separator member spacer spacing)) (provide near5 (space or gap)) (diffusion near3 layer)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/04 16:40
S127	122913	(air near3 battery) (metal Near3 oxygen) (oxygen near5 (cathode electrode electrolyte)) (metal near3 air)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/04 16:40
S128	9148	S125 and S126 and S127	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/04 16:40



S129	471	S128 and (resin same aluminum)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/04 16:42
S130	40	S128 and (non near2 aqueous) and (metal near3 air)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/04 17:41
S131	267	S128 and (non near2 aqueous)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/04 17:44
S135	14	Arao.in. and Mikami.in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/04 18:34
S136	160205	(barrier permea\$) with (air oxygen)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/05 09:46
S137	6025897	Gap passage space (porous near3 film) (fabric near5 (woven nonwoven)) (porous near3 (sheet separator member spacer spacing)) (provide near5 (space or gap)) (diffusion near3 layer)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/05 09:46
S138	122967	(air near3 battery) (metal Near3 oxygen) (oxygen near5 (cathode electrode electrolyte)) (metal near3 air)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/05 09:46
S139	2546	S136 and S137 and S138 and (polyethylene)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/05 09:46

S140	160205	(barrier permea\$) with (air oxygen)	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/05 11:39
S141	6025897	Gap passage space (porous near3 film) (fabric near5 (woven nonwoven)) (porous near3 (sheet separator member spacer spacing)) (provide near5 (space or gap)) (diffusion near3 layer)	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/05 11:39
S142	122967	(air near3 battery) (metal Near3 oxygen) (oxygen near5 (cathode electrode electrolyte)) (metal near3 air)	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/05 11:39
S143	396	(S140 with polyethylene) and S141 and S142	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/05 11:39

2/ 6/ 2008 3:50:00 PM

C:\Documents and Settings\kturner3\My Documents\EAST\Workspaces\Applications\10807333.wsp